



Rev. 06/04/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Melissa A. Petruska et al. Docket No.: S-100,641

Serial No.: 10/715,806 Examiner: T. Kugel

Filed : 11/17/2003 Art Unit: 1712

For : NANOCRYSTAL/SOL-GEL NANOCOMPOSITES

Customer No. 35068

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT/RESPONSE

Sir:

In response to the Office Action dated November 10, 2005, please enter the following amendments to the Specification and Claims, and consider the accompanying remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

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Date Nov. 28, 2005